Cornell’s Institutional Repositories

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Outline

• Institutional Repositories at CU
• How IR’s are currently being used
• Relationship to digital archiving at CUL
Addressing the Crisis in Scholarly Communications

- Encourage the use of digital and institutional repositories by outreach to Faculty
  - Departmental talks
  - Symposia and
- Policies enacted at Cornell
  - Archive policy for the Cornell Computer Science Department
  - Cornell University Faculty Senate Endorses Resolution on Open Access and Scholarly Communication
- Education regarding ‘green publishers’
  - http://www.sherpa.ac.uk/romeo.php
- Education regarding copyright
CUL Institutional Repositories

- **Digital Publishing System (DPubS)**
  - [http://techreports.library.cornell.edu](http://techreports.library.cornell.edu)
- **DSpace**
  - [http://dspace.library.cornell.edu](http://dspace.library.cornell.edu)
- **arXiv (disciplinary repository)**
  - [http://www.arxiv.org](http://www.arxiv.org)
• Uses
  - Computer Science Department Technical Reports
  - Computing and Information Science Technical Reports
  - Cornell Theory Center Technical Reports
  - History and Theory of Machines and Mechanisms Technical Reports
  - Library Papers and Preprints
  - Watershed Management Papers
• Over 2000 articles (majority in Computer Science)
  - Self selected, self managed, self contributed, sys admin by CUL
dspace.library.cornell.edu

- Uses
  - Bio and Environmental Engineering Student Projects
  - Cornell University East Asia Papers
  - Cornell University Graduate School
  - Cornell University Library
  - Cornell University Professional Degree Programs
  - Internet-First University Press

- Self selected, self managed, sys admin by CUL
www.arXiv.org

• Uses
  - Preprints of Physics
  - Preprints in Computer Science
  - Preprints in Mathematics

• Over 250,000 objects (increasing by ~200 objects/day)
  - Self selected, self contributed, administered by CUL
  - 70% of articles ultimately appear in peer reviewed journals
A Few Lessons Learned

• Disciplinary Repositories more successful than Institutional ones
  - Faculty have greater allegiance to their disciplines than to their institutions or departments
• Focus initial efforts in one or two areas
  - Avoid the shotgun approach
• Set administrative/library policies
• Match level of commitment with resources available
• Have communities set and maintain their own policies and develop selection criteria
• Multiple repositories increase exposure
• Exposure encourages contribution
• Bubble up better than trickle down
• Learn patience
IR and Digital Preservation

- CU has a three year effort to develop an electronic archive based on OAIS
  - Policies and procedures
  - Functional specs
  - RFI/RFP
  - Development
- DPubS, DSpace, arXiv envisioned as multiple repositories in our OAIS implementation
- Additional repositories will be needed.
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